OBSERVATIONS & RECOMMENDATIONS

After reviewing data collected from **HARRISVILLE POND** the program coordinators recommend the following actions.

FIGURE INTERPRETATION

- Figure 1: These graphs illustrate concentrations of chlorophyll-a in the water column. Algae are microscopic plants that are a natural part of lake ecosystems. Algae contain chlorophyll-a, a pigment necessary for photosynthesis. A measure of chlorophyll-a can indicate the abundance of algae in a lake. The historical data (the bottom graph) show a *stable* in-lake chlorophyll-a trend. Chlorophyll-a concentrations decreased slightly this season. Mean chlorophyll concentrations have continuously remained below the NH mean reference line since 1993. Algal abundance was elevated in July with golden-brown algae as the dominant alga at that time. While algae are present in all lakes, an excess amount of any type is not welcomed. Concentrations can increase when there are external and internal sources of phosphorus, which is the nutrient algae depend upon for growth. It's important to continue the education process and keep residents aware of the sources of phosphorus and how it influences lake quality.

- Figure 2: Water clarity is measured by using a Secchi disk. Clarity, or transparency, can be influenced by such things as algae, sediments from erosion, and natural colors of the water. The graphs on this page show historical and current year data. The lower graph shows a *stabilizing* trend in lake transparency. Water clarity seems to have recovered this season from the extremely wet and dry conditions of the last two seasons. The slight decrease in transparency in July was likely due to the increase in algal abundance. The 2000 sampling season was considered to be wet and, therefore, average transparency readings are expected to be slightly lower than last year's readings. Higher amounts of rainfall usually cause more eroding of sediments into the lake and streams, thus decreasing clarity.

- Figure 3: These figures show the amounts of phosphorus in the epilimnion (the upper layer in the lake) and the hypolimnion (the lower layer); the inset graphs show current year data. Phosphorus is the limiting nutrient for plants and algae in New Hampshire waters.

Too much phosphorus in a lake can lead to increases in plant growth over time. These graphs show a *slightly improving* trend in the upper water layer, and a *stabilizing* trend in the lower water layer. Only one set of phosphorus data were obtained this season. July results were less than last season's and both were below the NH median reference line. The June phosphorus samples were not analyzed due to lab error and samples were not collected in August. One of the most important approaches to reducing phosphorus levels is educating the public. Humans introduce phosphorus to lakes by several means: fertilizing lawns, septic system failures, and detergents containing phosphates are just a few. Keeping the public aware of ways to reduce the input of phosphorus to lakes means less productivity in the lake. Contact the VLAP coordinator for tips on educating your lake residents or for ideas on testing your watershed for phosphorus inputs

OTHER COMMENTS

- **Please note** in July summer phosphorus levels were found to be less than 5 µg/L in the epilimnion and Jane Dunn Inlet. The NHDES Laboratory Services adopted a new method of analyzing total phosphorus this year and the lowest value that can be recorded is 'less than 5 µg/L'. If this caused an increase in the average phosphorus for either of the layers we would like to remind the association that a reading of 5 µg/L is still considered low for New Hampshire's waters.

- *E. coli* originates in the intestines of warm-blooded animals (including humans) and is an indicator of associated and potentially harmful pathogens. Bacteria concentrations were all very low at the sites tested (Table 12). If residents are concerned about septic system impacts, testing when the water table is high or after rains is best. Please consult the Other Monitoring Parameters section of the report for the current standards for *E. coli* in surface waters.

- Total phosphorus in the hypolimnion decreased to normal levels this season (Table 8). The high turbidity readings of last season contaminated the samples with bottom sediment and yielded inaccurate results. Careful sampling of the hypolimnion will ensure accurate readings like those obtained this season.

NOTES

- Monitor's Note (6/21/00): Pollen in water near shore.

USEFUL RESOURCES

Bacteria in Surface Waters, WD-BB-14, NHDES Fact Sheet, (603) 271-3503 or www.state.nh.us

In Our Backyard. 1994. Terrence Institute, 4 Herbert St., Alexandria, VA. 22305, or call (800) 726-4853.

Effects of Phosphorus on New Hampshire's Lakes, NH Lakes Association pamphlet, (603) 226-0299 or www.nhlakes.org

A Boater's Guide to Cleaner Water, NHDES pamphlet, (603) 271-3503 or www.state.nh.us

The Lake Pocket Book, The Terrene Institute, 2000. (800) 726-5253, or www.terrene.org

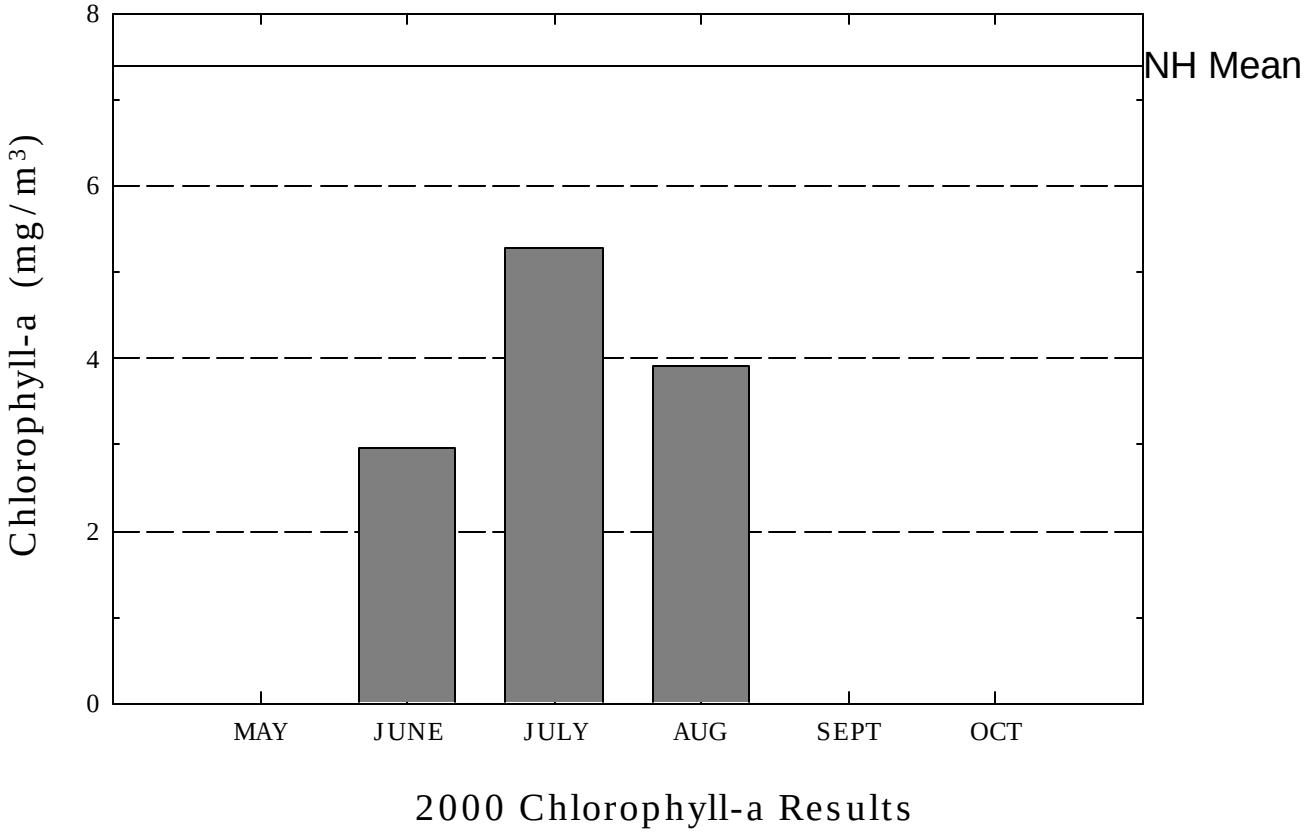
Weed Watchers: An Association to Halt the Spread of Exotic Aquatic Plants, WD-BB-4, NHDES Fact Sheet, (603) 271-3503 or www.state.nh.us

Lake Protection Tips: Some Do's and Don'ts for Maintaining Healthy Lakes, *WD-BB-9*, NHDES Fact Sheet, (603) 271-3503 or www.state.nh.us

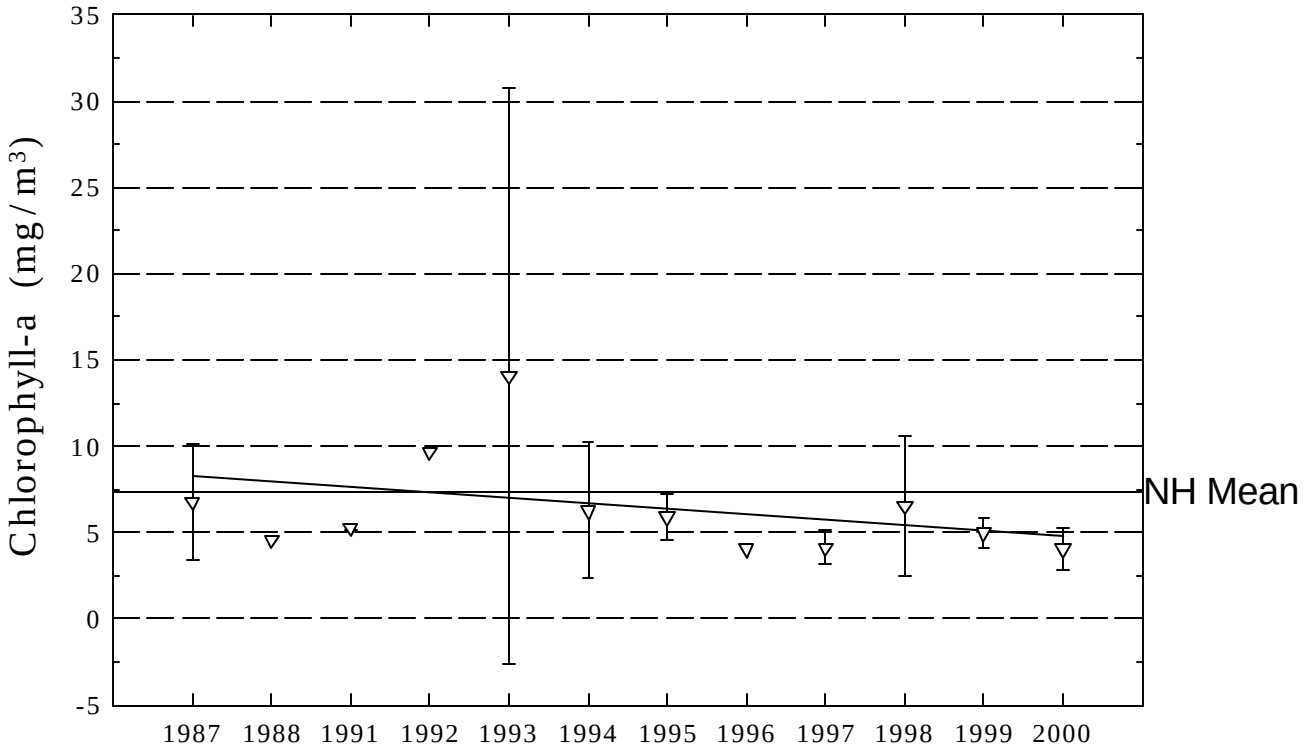
A Brief History of Lakes, NH Lakes Association pamphlet, (603) 226-0299 or www.nhlakes.org

Harrisville Pond

Figure 1. Monthly and Historical Chlorophyll-a Results



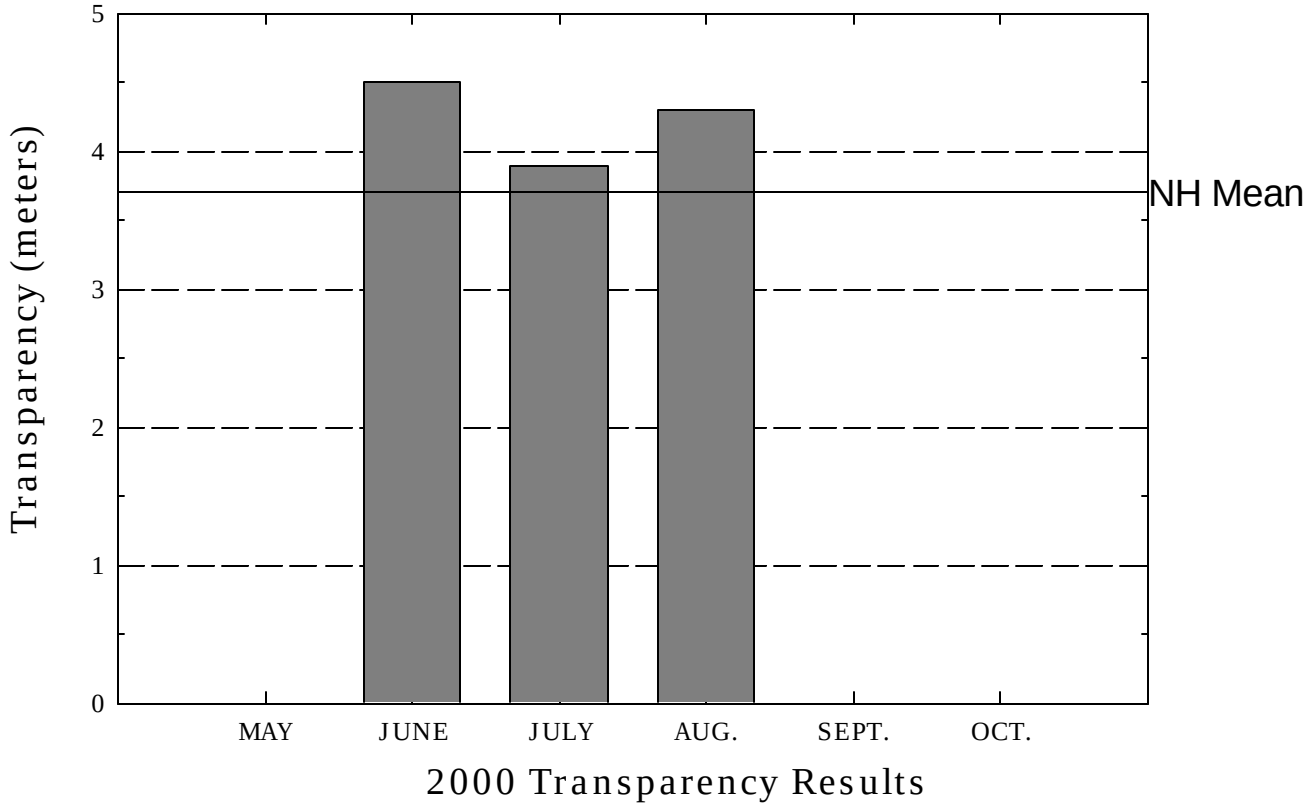
2000 Chlorophyll-a Results

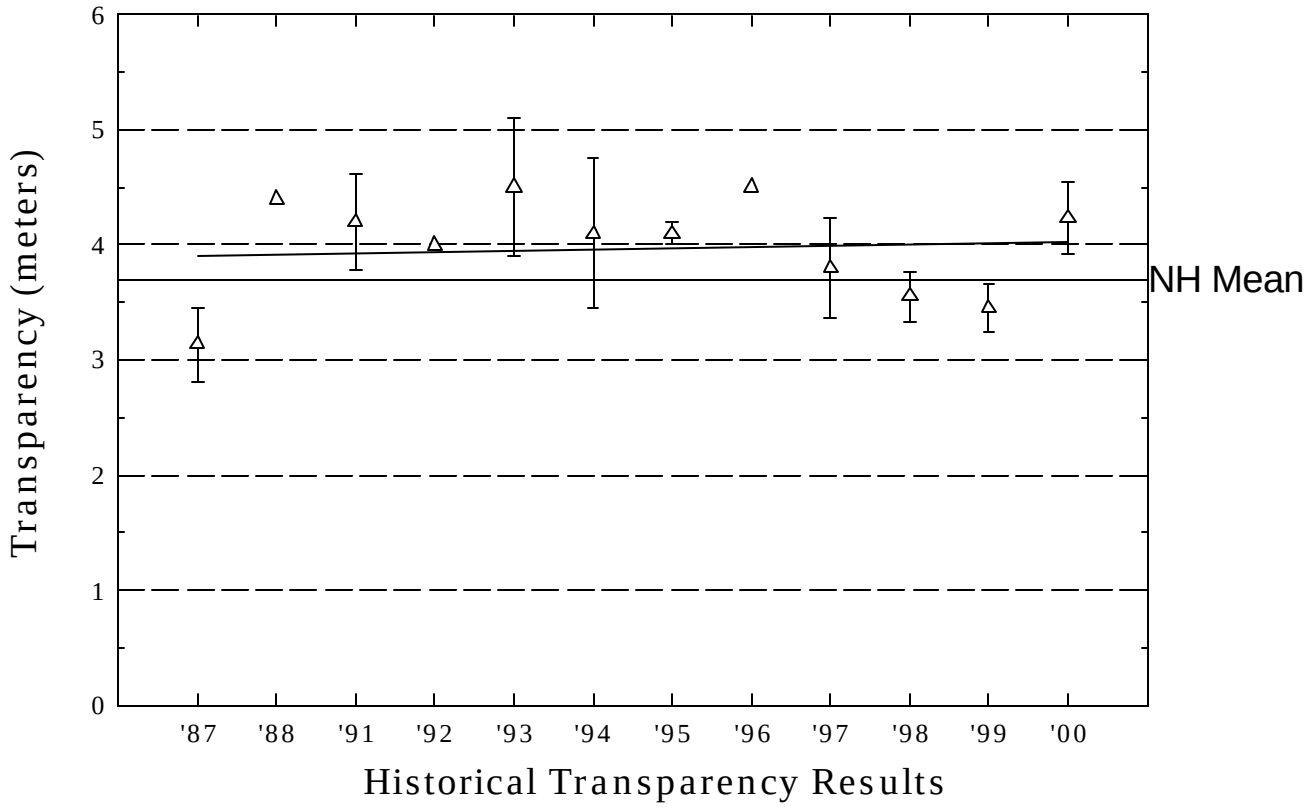


Historical Chlorophyll-a Results

Harrisville Pond

Figure 2. Monthly and Historical Transparency Results





Harrisville Pond

Figure 3. Monthly and Historical Total Phosphorus Data.

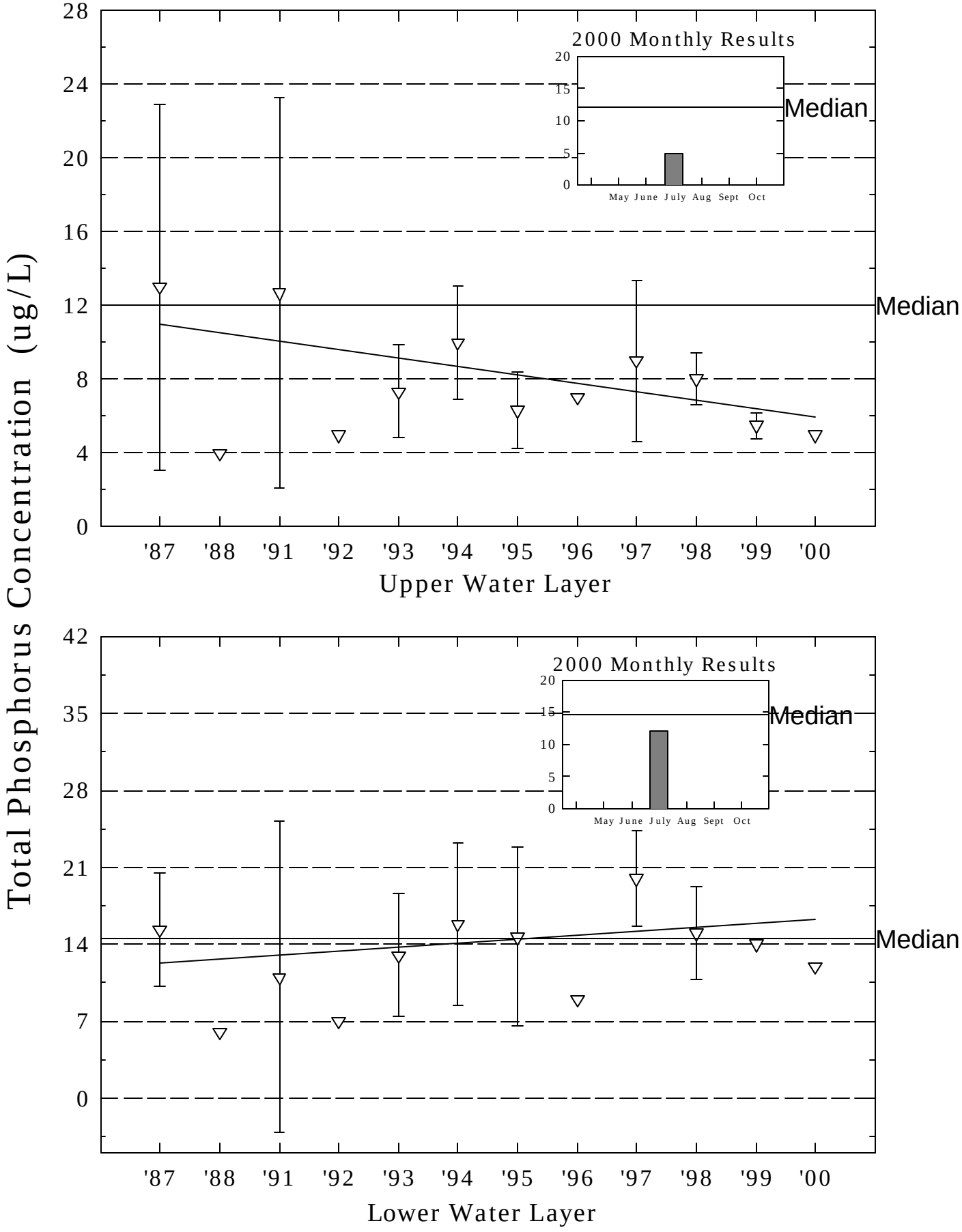


Table 1.

HARRISVILLE POND

HARRISVILLE

Chlorophyll-a results (mg/m^3) for current year and historical sampling periods.

Year	Minimum	Maximum	Mean
1987	3.19	9.90	6.78
1988	4.59	4.59	4.59
1991	5.17	24.76	11.78
1992	9.67	9.67	9.67
1993	2.64	33.25	14.05
1994	2.70	12.04	6.26
1995	5.10	7.47	5.89
1996	4.05	4.05	4.05
1997	3.04	4.93	4.12
1998	3.67	9.40	6.53
1999	4.36	5.59	4.97
2000	2.96	5.29	4.05

Table 2.

HARRISVILLE POND

HARRISVILLE

Phytoplankton species and relative percent abundance.

Summary for current and historical sampling seasons.

Date of Sample	Species Observed	Relative % Abundance
06/29/1987	CHRYSOSPHAERELLA	56
	DINOBRYON	32
07/24/1987	CHRYSOSPHAERELLA	80
	DINOBRYON	15
01/26/1988	TABELLARIA	60
	ASTERIONELLA	33
06/10/1988	CHRYSOSPHAERELLA	43
	ASTERIONELLA	24
	DINOBRYON	17
08/23/1991	SYNURA	46
	ASTERIONELLA	17
	TABELLARIA	9
06/02/1992	ASTERIONELLA	58
	SYNURA	16
	DINOBRYON	13
02/03/1993	SYNURA	54
	ASTERIONELLA	25
06/09/1993	DINOBRYON	52
	SYNURA	30
08/23/1994	SYNURA	82
08/29/1995	SPHAEROCYSTIS	51
	DINOBRYON	19
	PERIDINIUM	7
06/30/1997	TABELLARIA	37
	DINOBRYON	33
	ASTERIONELLA	18

Table 2.

HARRISVILLE POND

HARRISVILLE

Phytoplankton species and relative percent abundance.

Summary for current and historical sampling seasons.

Date of Sample	Species Observed	Relative % Abundance
06 / 17 / 1998	SYNURA	72
	DINOBRYON	14
	ASTERIONELLA	3
08 / 12 / 1999	DINOBRYON	90
	CHRYSOSPHAERELLA	5
	MALLOMONAS	3
07 / 13 / 2000	CHRYSOSPHAERELLA	47
	MALLOMONAS	12
	SYNURA	12

Table 3.

HARRISVILLE POND

HARRISVILLE

Summary of current and historical Secchi Disk transparency results (in meters).

Year	Minimum	Maximum	Mean
1987	2.9	3.5	3.1
1988	4.4	4.4	4.4
1991	3.9	4.5	4.1
1992	4.0	4.0	4.0
1993	3.9	5.1	4.5
1994	3.0	4.5	4.1
1995	4.0	4.2	4.1
1996	4.5	4.5	4.5
1997	3.5	4.3	3.8
1998	3.4	3.7	3.5
1999	3.3	3.6	3.4
2000	3.9	4.5	4.2

Table 4.

HARRISVILLE POND

HARRISVILLE

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
CANAL SITE				
	1994	6.20	6.20	6.20
CEMETARY INLET COVE				
	1991	6.13	6.47	6.27
	1993	6.19	6.42	6.29
	1994	5.97	6.33	6.18
CEMETARY INLET				
	1991	5.90	5.90	5.90
	1992	5.36	5.36	5.36
	1994	6.20	6.20	6.20
	1995	6.28	6.43	6.35
EPILIMNION				
	1987	6.13	6.34	6.23
	1988	5.58	6.01	5.74
	1991	6.15	6.44	6.26
	1992	6.26	6.26	6.26
	1993	5.39	6.57	5.76
	1994	6.04	6.42	6.21
	1995	6.31	6.65	6.45
	1996	6.50	6.50	6.50
	1997	6.15	6.40	6.26
	1998	6.00	6.22	6.10
	1999	6.26	6.41	6.33
	2000	5.88	6.24	6.05

Table 4.

HARRISVILLE POND

HARRISVILLE

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
HYPOLIMNION				
	1987	5.55	6.04	5.69
	1988	5.51	5.72	5.60
	1991	5.96	6.00	5.98
	1992	5.61	5.61	5.61
	1993	5.05	6.42	5.43
	1994	5.49	6.22	5.73
	1995	5.91	6.47	6.06
	1996	5.61	5.61	5.61
	1997	5.68	5.81	5.76
	1998	5.48	5.53	5.50
	1999	5.76	6.11	5.90
	2000	5.38	5.66	5.52
JANE DUNN INLET COVE				
	1991	6.34	6.39	6.36
	1993	6.12	6.42	6.27
	1994	5.92	6.49	6.17
JANE DUNN INLET				
	1987	4.90	5.87	5.16
	1988	5.06	5.06	5.06
	1991	4.70	4.70	4.70
	1992	4.83	4.83	4.83
	1994	5.01	5.01	5.01
	1995	5.28	6.58	5.71
	1996	6.12	6.12	6.12
	1997	6.08	6.22	6.16

Table 4.

HARRISVILLE POND

HARRISVILLE

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
JANE DUNN INLET				
	1998	5.16	6.14	5.42
	1999	6.29	6.34	6.31
	2000	5.98	6.24	6.05
LIBRARY OUTLET COVE				
	1994	5.93	5.93	5.93
LIBRARY OUTLET				
	1991	5.80	6.47	6.02
	1993	6.32	6.37	6.35
	1994	6.20	6.39	6.31
	1995	6.28	6.56	6.37
	1996	6.07	6.07	6.07
	1997	6.23	6.38	6.31
	1998	5.96	6.30	6.10
	1999	6.22	6.27	6.24
	2000	6.02	6.24	6.14
MC KENZIE INLET				
	1987	5.38	5.95	5.58
	1988	5.88	5.88	5.88
METALIMNION				
	1987	5.44	6.25	5.77
	1988	6.09	6.09	6.09
	1991	5.70	5.70	5.70
	1992	6.16	6.16	6.16

Table 4.

HARRISVILLE POND

HARRISVILLE

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
	1993	5.61	6.09	5.79
	1994	5.34	6.22	5.76
	1995	5.84	6.40	6.11
	1996	5.79	5.79	5.79
	1997	6.01	6.25	6.10
	1998	5.48	5.64	5.55
	1999	5.66	5.98	5.79
	2000	5.73	6.10	5.88
NELSON RD COTTAGES N				
	1994	5.92	5.92	5.92
NELSON RD COTTAGES S				
	1994	5.92	6.34	6.15
	1997	6.28	6.32	6.30
NELSON RD INLET COVE				
	1991	5.92	6.45	6.11
	1993	6.25	6.46	6.35
	1994	5.87	6.41	6.17
	1995	6.59	6.59	6.59
NELSON ROAD INLET				
	1992	5.66	5.66	5.66
	1994	6.22	6.22	6.22
	1995	6.28	6.29	6.28
	1996	4.48	4.48	4.48
	1997	6.13	6.29	6.22
	1998	5.32	6.22	5.57

Table 4.

HARRISVILLE POND

HARRISVILLE

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
	1999	6.04	6.13	6.08
	2000	5.98	6.22	6.12
NUBANUSIT INLET COVE				
	1991	6.38	6.48	6.43
	1993	6.14	6.38	6.24
	1994	5.91	6.32	6.13
NUBANUSIT INLET				
	1987	5.70	5.78	5.74
	1988	5.90	5.90	5.90
	1991	5.30	5.30	5.30
	1992	5.55	5.55	5.55
	1994	5.87	5.87	5.87
	1995	4.84	6.88	5.27
	1996	6.06	6.06	6.06
	1997	5.86	6.15	5.99
	1998	5.50	5.93	5.66
	1999	5.99	6.14	6.06
	2000	5.95	6.15	6.03
OUTLET COVE WEST				
	1994	6.29	6.29	6.29
	1996	5.93	5.93	5.93
OUTLET				
	1987	6.17	6.34	6.25
	1988	6.08	6.08	6.08

Table 4.

HARRISVILLE POND

HARRISVILLE

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
PUBLIC BEACH				
	2000	6.34	6.34	6.34
WETLAND SITE				
	1994	6.36	6.36	6.36

Table 5.

HARRISVILLE POND

HARRISVILLE

Summary of current and historical Acid Neutralizing Capacity.
Values expressed in mg/L as CaCO .

Epilimnetic Values

Year	Minimum	Maximum	Mean
1987	1.70	1.70	1.70
1988	1.00	1.00	1.00
1991	1.20	1.70	1.50
1992	1.80	1.80	1.80
1993	1.20	3.40	2.07
1994	1.10	2.00	1.52
1995	1.70	2.00	1.80
1996	1.70	1.70	1.70
1997	1.10	1.50	1.23
1998	1.40	1.60	1.50
1999	1.80	2.00	1.90
2000	1.20	2.00	1.50

Table 6.

HARRISVILLE POND
HARRISVILLE

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
CEMETARY INLET COVE				
	1991	26.8	28.1	27.4
	1993	26.6	28.9	27.8
	1994	25.4	33.7	28.6
CEMETARY INLET				
	1991	74.1	74.1	74.1
	1992	178.8	178.8	178.8
	1994	27.7	27.7	27.7
	1995	27.7	31.1	29.4
EPILIMNION				
	1987	20.9	23.9	22.6
	1988	23.9	25.2	24.6
	1991	20.9	27.7	23.3
	1992	35.3	35.3	35.3
	1993	26.9	29.6	28.4
	1994	21.0	30.8	26.4
	1995	26.3	27.6	27.1
	1996	27.1	27.1	27.1
	1997	24.0	27.5	25.4
	1998	21.6	27.1	24.4
	1999	26.7	28.5	27.6
	2000	24.5	25.4	24.8
HYPOLIMNION				
	1987	21.8	26.9	24.8
	1988	26.6	26.8	26.7

Table 6.

HARRISVILLE POND
HARRISVILLE

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
	1991	28.5	37.5	33.0
	1992	47.1	47.1	47.1
	1993	28.6	35.3	32.1
	1994	27.7	66.0	38.5
	1995	31.6	55.5	39.8
	1996	31.4	31.4	31.4
	1997	32.8	35.4	33.8
	1998	31.4	31.4	31.4
	1999	29.9	40.3	35.1
	2000	26.5	28.5	27.5
JANE DUNN INLET COVE				
	1991	26.9	28.8	27.8
	1993	27.6	29.7	28.9
	1994	24.5	31.5	27.0
JANE DUNN INLET				
	1987	21.8	22.8	22.3
	1988	20.8	20.8	20.8
	1991	25.5	25.5	25.5
	1992	23.5	23.5	23.5
	1994	22.9	22.9	22.9
	1995	20.5	28.1	25.2
	1996	25.5	25.5	25.5
	1997	23.8	28.8	25.7
	1998	21.8	23.2	22.5
	1999	26.7	29.4	28.0
	2000	23.1	25.3	24.3

Table 6.

HARRISVILLE POND
HARRISVILLE

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
LIBRARY OUTLET COVE				
	1994	31.8	31.8	31.8
LIBRARY OUTLET				
	1991	25.9	26.1	26.0
	1993	27.6	29.8	28.4
	1994	24.9	27.3	26.1
	1995	27.6	30.1	28.4
	1996	26.6	26.6	26.6
	1997	24.3	28.7	25.9
	1998	22.0	27.7	24.9
	1999	26.9	29.7	28.3
	2000	23.2	25.4	24.5
MC KENZIE INLET				
	1987	22.7	29.9	26.3
	1988	28.6	28.6	28.6
METALIMNION				
	1987	21.5	25.5	23.6
	1988	23.7	23.7	23.7
	1991	24.2	24.2	24.2
	1992	36.0	36.0	36.0
	1993	26.7	30.8	28.7
	1994	27.1	32.5	29.9
	1995	29.9	30.3	30.1
	1996	25.8	25.8	25.8
	1997	24.0	29.0	27.0

Table 6.

HARRISVILLE POND
HARRISVILLE

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
	1998	25.8	28.3	27.0
	1999	28.4	28.4	28.4
	2000	24.1	26.3	25.4
NELSON RD COTTAGES N				
	1994	32.0	32.0	32.0
NELSON RD COTTAGES S				
	1994	24.3	31.8	27.8
	1997	24.0	28.0	26.0
NELSON RD INLET COVE				
	1991	27.6	30.8	29.2
	1993	27.4	29.1	28.0
	1994	24.5	34.1	28.0
	1995	27.6	27.6	27.6
NELSON ROAD INLET				
	1992	29.3	29.3	29.3
	1994	36.9	36.9	36.9
	1995	30.1	31.6	30.8
	1996	46.4	46.4	46.4
	1997	28.8	32.8	30.4
	1998	22.9	25.6	24.3
	1999	31.2	36.1	33.6
	2000	23.3	27.3	25.8
NUBANUSIT INLET COVE				
	1991	26.8	27.5	27.1
	1993	19.8	26.3	22.4

Table 6.

HARRISVILLE POND
HARRISVILLE

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
	1994	21.3	25.6	24.0
NUBANUSIT INLET				
	1987	20.4	20.5	20.4
	1988	20.5	20.5	20.5
	1991	20.2	20.2	20.2
	1992	26.6	26.6	26.6
	1994	22.6	22.6	22.6
	1995	20.0	24.4	21.6
	1996	24.2	24.2	24.2
	1997	18.1	23.4	20.6
	1998	19.4	19.5	19.4
	1999	19.3	23.5	21.4
	2000	18.8	24.3	20.8
OUTLET COVE WEST				
	1996	26.7	26.7	26.7
OUTLET				
	1987	21.2	23.8	22.5
	1988	25.0	25.0	25.0
PUBLIC BEACH				
	2000	23.7	23.7	23.7
WETLAND SITE				
	1994	24.5	24.5	24.5

Table 8.

HARRISVILLE POND

HARRISVILLE

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
CANAL SITE				
	1994	8	8	8
CEMETARY INLET COVE				
	1991	4	8	6
	1993	4	8	6
	1994	6	9	7
CEMETARY INLET				
	1991	18	18	18
	1994	7	7	7
	1995	7	9	8
EPILIMNION				
	1987	6	20	13
	1988	4	4	4
	1991	3	24	13
	1992	5	5	5
	1993	5	10	8
	1994	7	14	10
	1995	4	8	6
	1996	7	7	7
	1997	6	14	9
	1998	7	9	8
	1999	5	6	5
	2000	< 5	5	5
HYPOLIMNION				
	1987	11	21	15

Table 8.

HARRISVILLE POND

HARRISVILLE

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
	1988	3	6	4
	1991	1	21	11
	1992	7	7	7
	1993	7	19	11
	1994	9	27	15
	1995	9	24	14
	1996	9	9	9
	1997	17	25	20
	1998	12	18	15
	1999	14	309	161
	2000	12	12	12
JANE DUNN INLET COVE				
	1991	6	35	20
	1993	5	9	6
	1994	5	16	8
JANE DUNN INLET				
	1987	7	30	18
	1988	< 1	1	1
	1991	43	43	43
	1994	3	3	3
	1995	5	7	6
	1996	8	8	8
	1997	6	14	10
	1998	6	7	6
	1999	1	5	3
	2000	< 5	10	7

Table 8.

HARRISVILLE POND

HARRISVILLE

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
LIBRARY OUTLET COVE				
	1994	10	10	10
LIBRARY OUTLET				
	1991	5	9	7
	1993	5	8	6
	1994	5	8	6
	1995	3	8	5
	1996	8	8	8
	1997	5	12	7
	1998	6	9	7
	1999	2	5	3
	2000	6	8	7
MC KENZIE INLET				
	1987	5	32	18
	1988	9	9	9
METALIMNION				
	1987	7	25	15
	1988	1	1	1
	1991	11	11	11
	1993	8	11	9
	1994	10	17	12
	1995	6	9	7
	1996	15	15	15
	1997	11	16	13
	1998	8	9	8

Table 8.

HARRISVILLE POND

HARRISVILLE

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
	1999	7	9	8
	2000	5	5	5
NELSON RD COTTAGES N				
	1994	9	9	9
NELSON RD COTTAGES S				
	1994	4	11	7
	1997	8	11	9
NELSON RD INLET COVE				
	1991	4	5	4
	1993	5	10	6
	1994	5	14	8
	1995	4	4	4
NELSON ROAD INLET				
	1992	6	6	6
	1994	15	15	15
	1995	8	11	9
	1996	11	11	11
	1997	7	18	13
	1998	10	14	12
	1999	7	11	9
	2000	7	10	8
NUBANUSIT INLET COVE				
	1991	3	6	4
	1993	9	20	13
	1994	8	14	11

Table 8.

HARRISVILLE POND

HARRISVILLE

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
NUBANUSIT INLET				
	1987	6	12	9
	1988	< 1	1	1
	1991	6	6	6
	1992	4	4	4
	1994	5	5	5
	1995	4	11	8
	1996	13	13	13
	1997	9	15	11
	1998	7	7	7
	1999	3	7	5
	2000	7	12	9
OUTLET COVE WEST				
	1994	8	8	8
	1996	9	9	9
OUTLET				
	1987	13	14	13
	1988	15	15	15
WETLAND SITE				
	1994	7	7	7

Table 9.

HARRISVILLE POND

HARRISVILLE

Current year dissolved oxygen and temperature data.

Depth (meters)	Temperature (celsius)	Dissolved Oxygen (mg/L)	Saturation (%)
		July 13, 2000	
0.1	22.9	8.2	94.8
1.0	22.3	8.3	95.3
2.0	21.8	8.4	95.2
3.0	21.5	8.2	93.2
4.0	20.0	8.7	96.2
5.0	14.8	7.8	76.5
6.0	11.8	6.9	63.9
7.0	9.6	3.1	27.1
8.0	9.0	2.8	23.8
9.0	8.6	2.7	23.1
10.0	8.3	2.1	18.0
11.0	8.0	0.5	4.3

Table 10.

HARRISVILLE POND

HARRISVILLE

Historic Hypolimnetic dissolved oxygen and temperature data.

Date	Depth (meters)	Temperature (celsius)	Dissolved Oxygen (mg/L)	Saturation (%)
June 29, 1987	10.5	7.0	2.5	20.0
July 24, 1987	12.0	8.0	0.0	0.0
January 26, 1988	11.5	2.5	3.8	27.0
June 10, 1988	11.0	6.9	4.9	40.0
April 29, 1991	12.0	6.3	8.8	71.0
August 23, 1991	11.0	7.9	0.2	1.7
June 2, 1992	11.0	5.0	2.8	21.9
June 9, 1993	9.0	7.0	6.7	54.0
May 1, 1994	11.5	5.1	9.0	70.0
June 16, 1994	11.5	7.2	0.3	2.0
June 16, 1994	13.0	7.2	0.2	2.0
July 28, 1994	13.0	8.9	0.3	2.0
August 23, 1994	11.8	8.3	0.2	2.0
October 2, 1994	13.0	7.8	0.4	3.0
August 29, 1995	12.0	7.9	0.4	3.0
June 30, 1997	12.0	9.0	0.4	3.0
June 17, 1998	12.0	6.7	1.3	10.0
August 12, 1999	12.0	8.8	0.8	6.8
July 13, 2000	11.0	8.0	0.5	4.3

Table 11.

HARRISVILLE POND

HARRISVILLE

Summary of current year and historic turbidity sampling.

Results in NTU's.

Station	Year	Minimum	Maximum	Mean
EPILIMNION				
	1997	0.4	0.5	0.4
	1998	0.3	0.5	0.4
	1999	0.4	0.6	0.5
	2000	0.2	0.4	0.3
HYPOLIMNION				
	1997	2.4	3.8	3.3
	1998	0.7	0.8	0.8
	1999	1.3	49.0	25.1
	2000	0.6	4.1	2.0
JANE DUNN INLET				
	1997	0.1	0.5	0.3
	1998	0.2	0.3	0.3
	1999	0.4	0.4	0.4
	2000	0.2	0.8	0.4
LIBRARY OUTLET				
	1997	0.3	0.5	0.4
	1998	0.2	0.5	0.3
	1999	0.4	0.5	0.4
	2000	0.3	0.5	0.3
METALIMNION				
	1997	0.4	0.5	0.4
	1998	0.5	0.5	0.5
	1999	0.6	0.7	0.6
	2000	0.4	0.6	0.5
NELSON RD COTTAGES S				

Table 11.

HARRISVILLE POND

HARRISVILLE

Summary of current year and historic turbidity sampling.
Results in NTU's.

Station	Year	Minimum	Maximum	Mean
	1997	0.3	0.3	0.3
NELSON ROAD INLET				
	1997	0.3	0.7	0.5
	1998	0.4	0.6	0.5
	1999	0.7	1.1	0.9
	2000	0.3	0.6	0.5
NUBANUSIT INLET				
	1997	0.2	0.3	0.2
	1998	0.3	0.4	0.3
	1999	0.3	0.5	0.4
	2000	0.1	0.5	0.3
PUBLIC BEACH				
	2000	0.3	0.3	0.3

Table 12.

HARRISVILLE POND

HARRISVILLE

Summary of current year bacteria sampling.
Results in counts per 100ml.

Location	Date	E. Coli See Note Below
NELSON ROAD INLET		
	June 21	3
	August 20	1
PUBLIC BEACH		
	June 21	1
	August 20	2

NOTE: "<" means "less than" and ">" means "greater than"